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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/736,638	12/17/2003	Shih-Hsiung Li	BHT-3215-60	3838

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Troxell Law Office PLLC
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Falls Church, VA 22041

EXAMINER

GAUTHIER, GERALD

ART UNIT	PAPER NUMBER
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2614

MAIL DATE	DELIVERY MODE
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10/30/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/736,638

Applicant(s)

LI, SHIH-HSIUNG

Examiner

Gerald Gauthier

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

3. **Claim(s) 1-11** are rejected under 35 U.S.C. 103(a) as being unpatentable over Baratono (US 6,549, 793 B1) in view of Aharonson (US 7,177,473 B2)

Regarding **claim(s) 1**, Baratono discloses a dialing device for a cell phone used in a vehicle (column 1, lines 13-16), the dialing device comprising:

a control unit, which identifies the most similar words to the handwritten data and outputs a video signal (column 3, lines 31-36);

a miniature image projector, which is connected to the control unit and projects an image based on the video signal from the control unit on a windshield of the vehicle to display a telephone number (column 3, lines 37-43); and

a dialing apparatus, wherein the control unit connects to the cell phone through the dialing apparatus, when the telephone number displayed on said image is confirmed, the dialing apparatus starts to dial the confirmed telephone number (column 3, lines 31-36).

Baratono fails to disclose a handwriting device receiving handwritten data.

However, Aharonson teaches a handwriting device receiving handwritten data (column 5, line 34 to column 6, line 5).

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the invention of Baratono using the teaching of handwriting device as taught by Aharonson.

This modification of the invention enables the system to have a handwriting device receiving handwritten data so that the user would be able to dial instead of using number pads.

Regarding **claim(s) 2**, Baratono discloses a dialing device, wherein the image projected on the windshield is composed of several regions that include: a written text display region, which displays the handwritten data received by the handwriting device (column 3, lines 31-36);

a confirmation region, which displays the most similar words recognized by the control unit (column 3, lines 31-36); and

a plurality of function keys including a "confirmed", "delete", "dial", "switch" and "store" (column 3, lines 31-36).

Regarding **claim(s) 3**, Baratono discloses a dialing device, the control unit further connects to a connecting interface to which a personal digital assistance or a notebook computer is connected (column 3, lines 31-36).

Regarding **claim(s) 4**, Baratono discloses a dialing device, wherein when the "switch" function key on the image is actuated, the projected image on the windshield is switched to a display screen as shown on the PDA or the notebook computer (column 3, lines 31-36).

Regarding **claim(s) 5**, Baratono discloses a dialing device, wherein said connecting interface is a wire-connected type interface (column 3, lines 31-36).

Regarding **claim(s) 6**, Baratono discloses a dialing device, wherein said connecting interface is a USB port (column 3, lines 31-36).

Regarding **claim(s) 7**, Baratono discloses a dialing device, wherein said connecting interface is an RS232 port (column 3, lines 31-36).

Regarding **claim(s) 8**, Baratono discloses a dialing device, wherein said connecting interface is a wireless transmission interface (column 3, lines 31-36).

Regarding **claim(s) 9**, Baratono discloses a dialing device, wherein said connecting interface is an infrared port (column 3, lines 31-36).

Regarding **claim(s) 10**, Baratono discloses a dialing device, wherein the handwriting device is a touch panel (column 3, lines 31-36).

Regarding **claim(s) 11**, Baratono discloses a dialing device, wherein the handwriting device is a handwriting panel (column 3, lines 31-36).

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gerald Gauthier whose telephone number is (571) 272-7539. The examiner can normally be reached on 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571) 272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2614

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Gerald Gauthier/
Primary Examiner
Art Unit 2614

/GG/
October 22, 2007